



"Byron, Earl/SAC"  
<EByron@CH2M.com>  
>

10/24/2001 08:29 AM

To: 'Miriam Diamond' <Diamond@geog.utoronto.ca>, Wayne  
Praskins/R9/USEPA/US@EPA, "Nilima Gandhi (E-mail)"  
<nilima.gandhi@utoronto.ca>  
cc: "Towell, David/RNO" <dtowell@CH2M.com>  
Subject: RE: Model progress memo

Hopefully, a review of this years EC data in conjunction with past ion  
balance data will reveal a fairly consistent pattern of seasonally changing  
ionic strength that can be applied to this year's data.  
There is more chemistry data also still to come as part of the USGS data  
that was collected this year.

Earl Byron  
CH2M HILL, Sacramento  
Office: (916) 920-0212, ext 274  
FAX: (916) 614-3474  
ebyron@ch2m.com

-----Original Message-----

From: Miriam Diamond [mailto:Diamond@geog.utoronto.ca]  
Sent: October 24, 2001 7:05 AM  
To: Wayne Praskins (E-mail); Miriam Diamond (E-mail); Nilima Gandhi  
(E-mail); Byron, Earl/SAC  
Cc: Towell, David/RNO  
Subject: Re: Model progress memo

Hi everyone,  
Earl, you did an excellent job of summarizing our conversation and  
our efforts over the past several months. I have no major points to  
add -- you covered them well.  
We are concerned about the lack of water chemistry data. We did  
ask that general water chemistry data be collected and that this  
was relatively inexpensive. It is a major assumption that historic  
water quality parameters are applicable to present conditions. This  
extrapolation to past data is made very difficult by the highly  
variable conditions in the reservoir. We imagine that ionic strength  
etc. must be very low at high flows and visa-versa, high chloride,  
ionic strength, etc. when water levels are low. The Hg speciation is  
a critical piece of the puzzle and we now have much greater  
uncertainty with the puzzle.  
Miriam

From: "Byron, Earl/SAC" <EByron@CH2M.com>  
To: "Wayne Praskins (E-mail)"  
<Praskins.Wayne@epamail.epa.gov>,  
"Miriam Diamond (E-mail)" <diamond@geog.utoronto.ca>,  
"Nilima Gandhi (E-mail)" <nilima.gandhi@utoronto.ca>  
Copies to: "Towell, David/RNO" <dtowell@CH2M.com>  
Subject: Model progress memo  
Date sent: Tue, 23 Oct 2001 12:56:40 -0600

> Wayne,  
> Here is a summary of what I have learned from talking with the  
> modeling team.  
> <<ModelProgress Memo.doc>>  
>  
> Earl Byron  
> CH2M HILL, Sacramento